

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1-2. (Cancelled)

3. (Currently Amended) The syringe of claim ~~[[1]]~~ 13, wherein the thread sleeve is coupled with the finger support in a positively locking manner.

4. (Cancelled)

5. (Currently Amended) The syringe of claim ~~[[1]]~~ 13, wherein the thread system is configured as a separate part.

6-9. (Cancelled)

10. (Currently Amended) The syringe of claim ~~[[6]]~~ 19, wherein the engagement of the inner thread and outer thread increases the pressure in the inner space.

11. (Currently Amended) The syringe of claim 10, wherein the increase in pressure causes the membrane to bulge and contact ~~[[a]]~~ the pin that ruptures the membrane.

12. (Cancelled)

13. (Currently Amended) A prefilled medical syringe comprising:

- a syringe barrel enclosing an inner space;
- a syringe plunger disposed in the space and coupled to a first end of a plunger rod, the plunger rod having an outer thread that is formed between the first end and a second end and a non-threaded portion disposed between the outer thread and the first end;
- an end plug closing off a cannula end of the syringe barrel, the end plug having a through-channel closed off by a membrane;
- a finger support disposed on an end of the syringe barrel opposite the end plug and having a through-opening for the plunger rod; and
- a thread system that cooperates with the plunger rod and with the finger support, the thread system having a thread sleeve with an inner thread that cooperates with the outer thread on the plunger rod to move the plunger rod relative to the syringe barrel,
wherein the thread sleeve is attached to the finger support prior to the outer thread of the plunger rod meshing with the inner thread of the thread sleeve; and
wherein movement of the plunger rod and the thread sleeve relative to the syringe barrel causes the thread sleeve to be disconnected from the finger support.

14-15. (Cancelled)

16. (Previously Presented) The syringe of claim 13, wherein the plunger rod and thread sleeve move relative to the syringe barrel when the outer thread of the plunger rod meshes with the inner thread of the thread sleeve.

17. (Previously Presented) The syringe of claim 13, wherein the thread sleeve is pressed into the base of the finger support.

18. (Previously Presented) The syringe of claim 13, wherein rotation of the plunger rod into meshed engagement with the inner thread of the thread sleeve causes the plunger rod to be displaced and move toward the cannula.

19. (Previously Presented) The syringe of claim 13, further comprising a pin in selective engagement with the membrane.

20. (Previously Presented) The syringe of claim 13, wherein the thread sleeve is operable to receive the non-threaded portion of the plunger rod prior to the outer thread of the plunger rod meshing with the inner thread of the thread sleeve.

21. (New) A prefilled medical syringe comprising:
a syringe barrel enclosing an inner space;

a syringe plunger disposed in the space and coupled to a first end of a plunger rod, the plunger rod having an outer thread that is formed between the first end and a second end and a non-threaded portion disposed between the outer thread and the first end;

an end plug closing off a cannula end of the syringe barrel, the end plug having a through-channel closed off by a membrane;

a finger support disposed on an end of the syringe barrel opposite the end plug and having a through-opening for the plunger rod; and

a thread system that cooperates with the plunger rod and with the finger support, the thread system having a thread sleeve with an inner thread that cooperates with the outer thread on the plunger rod to move the plunger rod relative to the syringe barrel;

wherein the plunger rod and thread sleeve move relative to the syringe barrel when the outer thread of the plunger rod meshes with the inner thread of the thread sleeve.

22. (New) The syringe of claim 21, wherein the thread sleeve is attached to the finger support prior to the outer thread of the plunger rod meshing with the inner thread of the thread sleeve.

23. (New) The syringe of claim 22, wherein movement of the plunger rod and the thread sleeve relative to the syringe barrel causes the thread sleeve to be disconnected from the finger support.

24. (New) The syringe of claim 21, wherein the thread sleeve is pressed into the base of the finger support.

25. (New) The syringe of claim 21, wherein the thread sleeve is coupled with the finger support in a positively locking manner.

26. (New) The syringe of claim 21, wherein rotation of the plunger rod into meshed engagement with the inner thread of the thread sleeve causes the plunger rod to be displaced and move toward the cannula.

27. (New) The syringe of claim 21, further comprising a pin in selective engagement with the membrane.

28. (New) The syringe of claim 21, wherein the thread sleeve is operable to receive the non-threaded portion of the plunger rod prior to the outer thread of the plunger rod meshing with the inner thread of the thread sleeve.

29. (New) The syringe of claim 21, wherein the thread system is configured as a separate part.

30. (New) The syringe of claim 27, wherein the engagement of the inner thread and outer thread increases the pressure in the inner space.

31. (New) The syringe of claim 30, wherein the increase in pressure causes the membrane to bulge and contact the pin that ruptures the membrane.